

Rule-Making Fact Sheet

(5 M.R.S.A. §8057-A)

AGENCY: Department of Professional and Financial Regulation, Office of Professional and Occupational Licensing, Maine Electricians' Examining Board ("Board").

NAME, ADDRESS, PHONE NUMBER OF AGENCY CONTACT PERSON: Catherine M. Carroll, Board Administrator, Office of Professional and Occupational Regulation, 35 State House Station, Augusta, ME 04333, (207) 624-8605, email: catherine.m.carroll@maine.gov

CHAPTER NUMBER AND RULE TITLE: Chapter 120 Electrical Installation Standards

STATUTORY AUTHORITY: 32 M.R.S.A. §§ 1153, 1153-A

DATE AND PLACE OF PUBLIC HEARING: 9:00 A.M., Friday, May 16, 2014, 76 Northern Avenue, Gardiner, Maine 04345

COMMENT DEADLINE: 5:00 P.M., Monday, May 26, 2014

PRINCIPAL REASON OR PURPOSE FOR PROPOSING THIS RULE: The proposed amendments to Chapter 120 conform to the National Electrical Code for Maine for the adoption of the 2014 edition of the National Electrical Code ("NEC"). The 2014 NEC replaces the 2011 NEC, on which Chapter 120 is currently based.

BRIEF SUMMARY OF RELEVANT INFORMATION CONSIDERED DURING DEVELOPMENT OF THE RULE (PRIMARY SOURCES): 2014 National Electrical Code

ANALYSIS AND EXPECTED OPERATION OF THE RULE: The proposed amendments to Chapter 120 change the numbering and formatting in two articles of the 2011 NEC that the Board previously adopted. A third amendment to Chapter 120 revises an article from the 2011 NEC that the Board previously adopted that would expand the permitted use of a popular wiring method.

FINDINGS UNDER CRITERIA CONTAINED IN EXECUTIVE ORDER 20 FY 11/12:

(A) The proposed rules will not negatively impact job growth or creation; (B) There are no fees included in the rule; (C) There are minimal costs to the businesses and consumers in terms of time and money required to comply with the rule; (D) No other state laws or rules already address the subject matter of this rule; (E) There are no relevant federal standards.

FISCAL IMPACT OF THE RULE: None

FOR RULES WITH FISCAL IMPACT OF \$1 MILLION OR MORE, ALSO INCLUDE:

ECONOMIC IMPACT, WHETHER OR NOT QUANTIFIABLE IN MONETARY TERMS:

INDIVIDUALS OR GROUPS AFFECTED AND HOW THEY WILL BE AFFECTED:

BENEFITS OF THE RULE:

Note: If necessary, additional pages may be used.

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CHAPTER NUMBER AND RULE TITLE: Chapter 125 Scope of Practice

STATUTORY AUTHORITY: 32 M.R.S.A. §§ 1102-B(2) and (4), 1153, 1153-A

DATE AND PLACE OF PUBLIC HEARING: 9:00A.M., Friday, May 16, 2014, 76 Northern Avenue, Gardiner, Maine 04345

COMMENT DEADLINE: 5:00 P.M., Monday, May 26, 2014

PRINCIPAL REASON OR PURPOSE FOR PROPOSING THIS RULE: The proposed amendment to Chapter 125 deletes Section 8 "Electrical Company" as a type of license issued by the Board. Specifically, the 125th Maine State Legislature repealed the requirement that electrical companies be licensed, Public Law 2011, chapter 406. The deletion of paragraph 8 in the Board's rules will conform to the deletion of 32 M.R.S.A. § 1101 (1-A).

BRIEF SUMMARY OF RELEVANT INFORMATION CONSIDERED DURING DEVELOPMENT OF THE RULE (PRIMARY SOURCES): This chapter sets forth the scope of practice for the various licenses issued by the Board. An Electrical Company is no longer licensed by the Board pursuant to Public Law 2011, chapter 406.

ANALYSIS AND EXPECTED OPERATION OF THE RULE: The proposed deletion of Section 8 "Electrical Company" conforms to Public Law 2011, chapter 406.

FINDINGS UNDER CRITERIA CONTAINED IN EXECUTIVE ORDER 20 FY 11/12:
(A) The proposed rule will not negatively impact job growth or creation; (B) There are no fees included in the rule; (C) There are no costs to the businesses and consumers in terms of time and money required to comply with the rule; (D) No other state laws or rules already address the subject matter of this rule; (E) There are no relevant federal standards.

FISCAL IMPACT OF THE RULE: None

FOR RULES WITH FISCAL IMPACT OF \$1 MILLION OR MORE, ALSO INCLUDE:

ECONOMIC IMPACT, WHETHER OR NOT QUANTIFIABLE IN MONETARY TERMS:

INDIVIDUALS OR GROUPS AFFECTED AND HOW THEY WILL BE AFFECTED:
BENEFITS OF THE RULE:

Note: If necessary, additional pages may be used.

FUND	AGENCY AMOUNT	ORG	APP	JOB	OBJT
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Chapter 120: ELECTRICAL INSTALLATION STANDARDS

SUMMARY: This chapter establishes the effective dates of the current edition of the National Electrical Code to which all installations must conform.

1. All installations of electrical equipment commencing on or after July 1, ~~2011~~ 2014 must comply with the ~~2011~~ 2014 edition of the National Electrical Code, National Fire Protection standard #70, as well as with all applicable statutes or rules of the State and this Board and all applicable ordinances, orders, rules and regulations of local municipalities.
2. The Board hereby adopts and incorporates into this chapter by reference The National Electrical Code, National Fire Protection Association standard #70, (~~2011~~ 2014 edition) with the following exceptions:

A-1. The Board adopts Article 200.6(D) with the following amendment:

200.6 Means of Identifying Grounded Conductors.

(D) Grounded Conductors of Different Systems. Where grounded conductors of different systems are installed in the same raceway, cable, box, auxiliary gutter, or other type of enclosure, each grounded conductor shall be identified by system. Identification that distinguishes each system grounded conductor shall be permitted by one of the following means:

- (1) One system grounded conductor shall have an outer covering conforming to 200.6(A) or (B).
- (2) The grounded conductor(s) of other systems shall have a different outer covering conforming to 200.6(A) or 200.6(B) or by an outer covering of white or gray with a readily distinguishable colored strip other than green running along the insulation.
- (3) Other and different means of identification as allowed by 200.6(A) or (B) that will distinguish each system grounded conductor.

The means of identification ~~shall be documented in a manner that is readily available or~~ shall be permanently posted where the conductors of different systems originate.

A. The Board adopts Article 210.5(C)(1)(b) with the following amendment:

210.5 Identification for Branch Circuits.

(C) Identification of Ungrounded Conductors.

(1) Branch Circuits Supplied from More Than One Nominal Voltage System.

(b) Posting of Identification Means. The method utilized for conductors originating within each branch-circuit panelboard or similar branch-circuit distribution equipment ~~shall be documented in a manner that is readily available or~~ shall be permanently posted at each branch-circuit panelboard or similar branch-circuit distribution equipment.

B. [exception deleted]

C. The Board adopts Article 215.12(C)(1)(b) with the following amendment:

215.12 Identification for Feeders.

(C) Identification of Ungrounded Conductors.

(1) Feeders Supplied from More Than One Nominal Voltage System.

(b) Posting of Identification Means. The method utilized for conductors originating within each feeder panelboard or similar feeder distribution equipment ~~shall be documented in a manner that is readily available or~~ shall be permanently posted at each branch-circuit panelboard or similar branch-circuit distribution equipment.

D. The Board adopts Article 334.10(3) with the following amendment:

334.10 Uses Permitted.

(3) Other structures permitted to be of Types III, IV, and V construction.

E. The Board does not adopt Article 334.12(A)(2), **Uses Not Permitted.**

F. [exception deleted]

G. The Board adopts Article 338.12(B) (1) and (2) with the following amendment:

338.12 Uses Not Permitted.

(B) Underground Service-Entrance Cable.

(1) For interior wiring of branch circuits and feeders originating and terminating within the same building.

(2) For aboveground installations except where USE cable emerges from the ground and is terminated in an enclosure at ~~an outdoor~~ a location acceptable to the Authority Having Jurisdiction and the cable is protected in accordance with 300.5(D).

- H. [exception deleted]
- I. [exception deleted]
- J. [exception deleted]
- K. [exception deleted]
- L. [exception deleted]
- M. [exception deleted]
- N. [exception deleted]
- O. [exception deleted]
- P. [exception deleted]
- Q. [exception deleted]
- R. The Board adopts Article 702.4(B)(2) with the following amendment:

702.4 Capacity and Rating

(B) System Capacity.

- (2) **Automatic Transfer Equipment.** For other than single-family dwellings, where automatic transfer equipment is used, an optional standby system shall comply with (2)(a) or (2)(b).

- 3. Copies of the National Electrical Code, National Fire Protection Association standard #70 may be purchased from:

National Fire Protection Association
1 Batterymarch Park, P.O. Box 9101
Quincy, MA 02269-9101
Telephone: 1-800-344-3555

STATUTORY AUTHORITY: 32 M.R.S.A. §§ 1153 and 1153-A

EFFECTIVE DATE: July 19, 2011

AMENDED:

CHAPTER 125 – SCOPE OF PRACTICE

SUMMARY: This chapter sets forth the scope of practice for the various licenses issued by the Board.

1. DIRECT SUPERVISION

For the purposes of this Chapter, direct supervision means that the master, journeyman or limited electrician shall be on site at all times.

2. APPRENTICE ELECTRICIAN

An Apprentice Electrician shall register with the Apprenticeship Council of Maine, Department of Labor in order to work and to learn the trade of an electrician. An apprentice electrician must work under the direct supervision of a master, journeyman or limited electrician at all times while assisting in electrical installations.

3. HELPER ELECTRICIAN

A Helper Electrician shall be in the employment of a master electrician, limited electrician, or electrical company and must work under the direct supervision of a master, journeyman or limited electrician at all times while assisting in electrical installations.

4. JOURNEYMAN-IN-TRAINING ELECTRICIAN

A Journeyman-In-Training Electrician shall be in the employment of a master electrician, limited electrician, or electrical company and work under the supervision of a master, journeyman or limited electrician at all times while making electrical installations.

5. JOURNEYMAN ELECTRICIAN

A Journeyman Electrician shall be in the employment of a master electrician, limited electrician, or electrical company while making electrical installations.

6. LIMITED ELECTRICIAN

A. Limited to Water Pumps

A Limited Electrician in Water Pumps is restricted to electrical work on water pumps between the branch circuits and power supplies.

B. Limited to Outdoor Signs, Including Sign Lighting

A Limited Electrician in Outdoor Signs, including Sign Lighting, is restricted to electrical work on outdoor signs, including sign lighting, which does not include branch circuit wiring.

C. Limited to Gasoline Dispensing

A Limited Electrician in Gasoline Dispensing is restricted to electrical work on gasoline dispensers between the branch circuit and the power supply.

D. Limited to Traffic Signals, Including Outdoor Lighting of Traffic Signals

A Limited Electrician in Traffic Signals, including Outdoor Lighting of Traffic Signals, is restricted to electrical work on traffic signals, including outdoor lighting of traffic signals.

E. Limited to House Wiring

A Limited Electrician in House Wiring is restricted to electrical work on one-family and two-family dwellings, including modular and mobile homes.

F. Limited to Refrigeration

A Limited Electrician in Refrigeration is restricted to electrical work on refrigeration to all associated wire from the loadside of distribution.

G. Limited to Low Energy

A Limited Electrician in Low Energy is restricted to electrical work on:

1. low energy electronics as supplied by Class I, II and III limited energy systems and the dedicated branch circuit wiring; and
2. all fire alarm systems and the dedicated branch circuit wiring.

H. Limited Crane Technician

A Limited Crane Technician is restricted to electrical work on cranes and hoists, including the installation of electrical equipment and wiring used in connection with cranes, monorail hoists, hoists and runways.

7. MASTER ELECTRICIAN

A Master Electrician may install electrical wires, conduits, apparatus, fixtures and other electrical equipment without limitation.

~~**8. ELECTRICAL COMPANY**~~

~~An Electrical Company license is required when more than one licensed electrician is employed by the company.~~

AUTHORITY: 32 M.R.S.A. §§1153 and 1153-A

EFFECTIVE DATE: August 13, 2008

AMENDED: